

STEREO MOC Status Report
Time Period: 2013:182 - 2013:188

STEREO Ahead (STA) Status:

1. The following Ground System anomalies/events occurred during this reporting period:

- On day 183, during the DSS-25 support, turbo decoder lock was lost briefly at 1306z. This anomaly resulted in the loss of one frame of SSR data.
- On day 184, during the DSS-65 support, turbo decoder lock was lost briefly at 0445z and again at 0557z. This anomaly resulted in the loss of two frames of SSR data.
- On day 185, during the DSS-15 support, turbo decoder lock was lost briefly at 1844z. This anomaly resulted in the loss of one frame of SSR data.
- On day 186, during the DSS-63 support, the receiver and ranging processor unexpectedly went out of lock between 1107z-1110z. Also during this track, turbo decoder lock was lost intermittently beginning at 1119z through 1423z. These anomalies resulted in the loss of 15682 frames of SSR data. See DRs #M107411 and #M107412 respectively for more information.
- On day 188, during the DSS-63 support, the receiver and ranging processor unexpectedly went out of lock between 0652z-0654z. Also during this track, turbo decoder lock was lost intermittently beginning at 0609z through 0837z. These anomalies resulted in the loss of 6692 frames of SSR data. See DR #M107416 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 182, the 58th momentum dump was executed successfully at 1600Z, which imparted a delta V of 0.081 m/sec.
- On day 185, the SSR science partitions filled as follows:

PLASTIC (Part 17) reached 95% full at 1301z for 1.6 hours.

The primary cause was the accumulated shortage of track time throughout the week.

- On day 186, the SECCHI instrument reset at 08:03:42z. The SECCHI team reconfigured the instrument to operational mode at 1255z. This was the 30th reset of SECCHI on the Ahead spacecraft.
- On day 186, the SSR science partitions filled as follows:

PLASTIC (Part 17) reached 95% full at 1022z for 0.9 hours.

The primary cause was the accumulated shortage of track time throughout the week.
- The average daily SSR playback volume for Ahead was 3.3 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies/events occurred during this reporting period:
 - On day 183, DSS-15 was declared red shortly before BOT due to a cooling issue. DSS-14 was brought online and telemetry was received two minutes late at 0002z. SSR pointers were repositioned and all data was recovered. Also, due to the late antenna switch, DSS-14 did not perform a ranging pre-calibration, but a calibration was performed after the track. See DRs #G114043 and #G114044 respectively for more information.
 - On day 183, during the DSS-65 support, turbo decoder lock was lost intermittently beginning at 1911z through 1912z. This anomaly resulted in the loss of 19 frames of SSR data.
 - On day 184, during the DSS-63 support, the receiver and ranging processor unexpectedly went out of lock between 1730z-1739z. Also during this track, turbo decoder lock was lost intermittently beginning at 1809z through 1832z. These anomalies resulted in the loss of 37484 frames of SSR data. See DR #M107406 for more information.
 - On day 185, during the DSS-54 support, turbo decoder lock was lost briefly at 1504z. This anomaly resulted in the loss of one frame of SSR data.

- On day 188, during the DSS-63 support, turbo decoder lock was lost intermittently beginning at 1159z through 1608z. This anomaly resulted in the loss of 118 frames of SSR data. See DR #M107419 for more information.

2. The following spacecraft/instrument events occurred during this week:

- The average daily SSR playback volume for Behind was 4.3 Gbits during this week.